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Latest Dividend **3 1/4%** a year

Money deposited by JULY 15 earns dividends from JULY 1 QUARTERLY After July 15, dividends from Day of Deposit (3% regular plus 1/4% extra)

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The BROOKLYN SAVINGS BANK

Brooklyn's First Savings Bank Established 1827

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Kings Highway Office: Kings Highway and McDonald Ave.

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NEW NAVY DEVICE LEARNS BY DOING

Psychologist Shows Embryo of Computer Designed to Read and Grow Wiser

WASHINGTON, July 7 (UPI)—The Navy revealed the embryo of an electronic computer today that it expects will be able to walk, talk, see, write, reproduce itself and be conscious of its existence.

The embryo—the Weather Bureau's \$2,000,000 "704" computer—learned to differentiate between right and left after fifty attempts in the Navy's demonstration for newsmen.

The service said it would use this principle to build the first of its Perceptron thinking machines that will be able to read and write. It is expected to be finished in about a year at a cost of \$100,000.

Dr. Frank Rosenblatt, designer of the Perceptron, conducted the demonstration. He said the machine would be the first device to think as the human brain. As do human beings, Perceptrons will make mistakes at first but will grow wiser as it gains experience, he said.

Dr. Rosenblatt, a research psychologist at the Cornell Aeronautical Laboratory, Buffalo, said Perceptrons might be fired to the planets as mechanical space explorers.

Without Human Controls

The Navy said the perceptron would be the first non-living mechanism "capable of receiving, recognizing and identifying its surroundings without any human training or control."

The "brain" is designed to remember images and information it has perceived itself. Ordinary computers remember only what is fed into them, on punch cards or magnetic tapes.

Later Perceptrons will be able to recognize people and call out their names and instantly translate speech in one language to speech or writing in another language, it was predicted.

Mr. Rosenblatt said in principle it would be possible to build brains that could reproduce themselves on an assembly line and which would be conscious of their existence.

In today's demonstration, the "704" machine scanned eyes, one with squares marked on the left side and the other with squares on the right side.

Learns by Doing

In the first fifty trials, the machine made no distinction between them. It then started registering a "Q" for the left squares and "O" for the right squares.

Dr. Rosenblatt said he could explain why the machine learned only in highly technical terms. But he said the computer had undergone a "self-induced change in the wiring diagram."

The first Perceptron will have about 1,000 electronic "association cells" receiving electrical impulses from an eye-like scanning device with 400 photo-cells. The human brain has 10,000,000,000 responsive cells, including 100,000,000 connections with the eyes.

Books Today

A BATON FOR THE CONDUCTOR, by T. L. W. Hubbard (Houghton Mifflin, \$3). A humorous novel.

CHRISTIAN SCIENCE: Its Encounter With American Culture, by Robert Peel (Holt, \$4).

FROM CHICKENS TO PROSPECTING, by Oscar (Shorty) Dalolan (Vantage, \$2.95). Personal experience in the West.

LETTERS TO MR. GOD, by Dagobert D. Runes (Philosophical Library, \$2).

QUEEN MIDAS, by Joseph F. Dinneen (Little, Brown, \$3.75). Novel about Irish immigrants in America.

SPACE FRONT: Satellites, Space Ships, Space Stations and Space Travel Explained, by Carsbie C. Adams, with the collaboration of Frederick I. Ordway 3d, Heyward E. Canney Jr. and Ronald C. Wakeford (McGraw-Hill, \$6.50).

S. S. SILVERSPRAY, by John Langdon (Macmillan, \$3.95). Novel about the crew of a merchant marine freighter.

THE AMARYLLIS MANUAL, by Hamilton P. Traub, drawings by Allana Ross (Macmillan, \$7.50). Gardening guide.

THE NATIONAL ASSOCIATION FOR THE ADVANCEMENT OF COLORED PEOPLE: A Case Study in Pressure Groups, by Warren D. St. James (Exposition, \$4).

THE SOVIET CULTURAL SCENE, 1956-57, edited by Walter Z. Laqueur and George Lichtheim (Praeger, \$3.75).

PAPER-BOUND ORIGINALS: Fiction: MURDER ISN'T FUNNY, by J. Harvey Bond, and **THE DEADLY COMBO**, by John Farr (Ace Double Novel Books, 35 cents); **THE DANCE MERCHANTS**, by J. Walter Small (Ace Book, 35 cents).

Miscellaneous: GREAT FLYING STORIES, edited by Frank W. Anderson Jr., U. S. A. F. introduction by Col. Andrew F. Gordon, U. S. A. F. (Dell Book, 35 cents).

REPRINTS: Fiction: A PLANET FOR TEXANS, by H. Beans Piper and John J. McGuire, and **STAR BORN**, by Andre Norton; **OUTLAWS WELCOME**, by William Vance, and **THUNDER CREEK RANGERS**, by Paul Evans (Ace Double Novel Books, 35 cents each); **THE IRON KING**, by Maurice Druon (Ace Books, 35 cents).

ANSWER TO PREVIOUS PUZZLE

SKIN SOSO COIAS
WODE ANON INAVE
ABLE BITT TENOR
PEEKABOO TITITIE
ELAN PIER
CLARET KORS AKOW
HAWK CHAISIE CERIO
WICK GENEERIE
PRESSING EMBROID
MASTALAI
LATENT OVERGOOD
EMATE AKIN TRAIT
SYBIL FRAY DINTO
SAUCY TANS POISS

Books of The Times

By CHARLES POORE

"If this were an entirely accurate account of my life in Cork," the author of "Mrs. O." tells us, "I should probably be writing it behind bars. So I should say that it is impressionistically true when not always factually so."

Fair enough. However, when you have finished her entertaining book, you may want to go back to that preface and wonder whether the bit about behind bars is a pun or an Irish bull.

Why? Because she ran a pub in Cork. The idea of doing so came to her in London one afternoon when she found herself rather rich and completely free. "My decree absolute came through on the same day as my Great Aunt's legacy—not a fortune, but such a sum as I had never dreamed of owning or saving." The fact that she happened to choose for refreshment a place called Mooney's, in London, gave the notion a proper touch of predestination.

Once in Ireland she made forays around the country. It did not take her very long to find the pub she wanted in Cork and buy it from a maiden lady who did not appreciate its seedy elegance. What names she signed to the deed we do not know, although this book is copyrighted by C. M. Forde. As author of it she calls herself, with royal simplicity, Claude, just Claude.

Named by Irish Friends

It was her Irish friends and customers who gave her the name of Mrs. O. A reference to herself, near the end of the book, as one who holds in reserve "the resignation to the inevitable that lingers in the blood of those born in fatalistic East," marks the beginning of a cosmopolitan outlook.

A beau sabreur named Sean soon spotted her as French in spite of a quickly acquired talent for Gaelic. And Claude tells us she has "drunk rye with Americans, schnapps with Dutchmen, beer with Germans, wine with Frenchmen, liqueurs with duchesses and gin with charlatans." The charlatans and the duchesses, presumably, carry international passports.

The problems of running a pub in Cork were often hilarious, seldom businesslike and sometimes tragic. The gamut of life she saw was as various as the life you will encounter on Manhattan Island if you follow Park Avenue down from the street fairs near 125th Street to the local Mayfair within a mile of the Grand Central Terminal.

She liked the Irish and the Irish liked her. They brought her their problems and she shared their celebrations. If she was appalled by poverty and superstition she admired the prevalence of gaiety and wit. Once, on the way to a picnic, she asked a gentleman why, since he intended to stop, without favoritism, at every pub on their route, he had brought along a flagon of whisky.

"You must guard your supply lines," he answered. "If you had read your von Clause-

*MRS. O. By Claude. 191 pages. Einehart, \$3.50.



Claude, author of "Mrs. O."

witz with any attention, you would think of the long arid stretches with no hostilities."

Early on, as proprietor of her own pub, she had learned to tap a mighty keg of high stout, after just one lesson from a friendly rival called Foxy:

"Wrapping the barrel end of the tap in three thicknesses of newspaper as I had seen Foxy do, I placed the tap against the bung, raised the mallet, and thinking briefly that I should probably be the first foreigner ever to be killed by Guinness, I hit the tap two fairly light, quick blows."

Mallet's Force Augmented

It worked fine. The third whack was delivered at full strength. The tap went into place, the newspaper sealed the crack around it. One thing she was too shy to mention when congratulations, offered in awe, saluted her, was that she had, shall we say, augmented the force of the mallet with a huge horseshoe she had discovered under the bar.

A rather formally informal romance flowers in the book. It concerns Sean, whose past is a subject for gossip, and whose present is a matter of mystery. He is destined for tragedy. When he meets it, as no reader can doubt he will, Ireland loses magic for Mrs. O.

Then there is Phelan, the ambitious burglar. He is a genial sort. But he never owns up to his limitations. In defiance of the best advice he attempts robberies that are beyond the scope of his abilities. The result is that he is often in court, sometimes in jail. The problem of Phelan is solved more happily than the problems of several other leading characters in the book.

He accepts security at the price of unobtainable success as a burglar. Mrs. O. persuades a meeting of the directors of a brewery to give him a job as a guard. They are skeptical, but Mrs. O. is right. Either through vigilance or his connections with the underworld, Phelan stops thievery on the brewery premises. In his way, he becomes the most surprising cork in Cork.

Fort Transfer Approved WASHINGTON, July 7 (UPI)—The House of Representatives passed and sent to the White

House today legislation directing the Army to turn over the thirty-three-acre Fort Varnum installation to Rhode Island for use by the National Guard.

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VIKING \$2.95

CROSSWORD PUZZLE

Edited by MARGARET FARRAR

- ACROSS**
- 1 Stick: Span.
 - 5 Now and then: Abbr.
 - 10 Social prohibition.
 - 14 Author of "Battle Cry."
 - 15 Largest city in North Dakota.
 - 16 Midmonth in Rome.
 - 17 Palm with feathery leaves.
 - 18 Place for a hard worker's nose.
 - 20 Combat group.
 - 22 Writer Horatio.
 - 23 Batimes.
 - 24 Fill to repletion.
 - 26 Timetable abbreviation.
 - 28 Object of great devotion.
 - 30 Sausage: Ger.
 - 33 Metal pin.
 - 35 Presidential prerogative.
 - 38 Tel.
 - 39 Mother of —.
 - 40 Curtain material.
 - 41 Bold Ruler, for one.
 - 43 Look after.
 - 44 Nikolai of 1917.

- 10 Lill or Gigt.
- 11 —'s age (long time).
- 12 Part of N.E.
- 13 Consumer.
- 19 Acted surprised.
- 21 Ingredient of throw.
- 25 "Over the hill."
- 26 Sandarac.
- 27 Strive to equal.
- 29 Minimal.
- 31 Fondness for candy.
- 32 Encampment.
- 34 Fifty-fifty chance.
- 36 Boa constrictor.
- 37 — beer.
- 39 Johnnycake.
- 42 Taken on.
- 43 Crystal gazer.
- 44 Signatures, in radio.
- 49 Combining form in chemistry.
- 51 Live coal.
- 52 Beat it!
- 53 Kind of pony.
- 54 Bullets, shells, etc.: Slang.
- 56 Tasteful.
- 57 Twist about a fixed point.
- 58 Dial.
- 60 Vegetable.

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Books—Authors

A month before Joyce Cary's death last year the complete manuscript of his new book "Art and Reality" arrived at Harper's, his publisher. It is based in part on lectures prepared for delivery at Clare College, Cambridge. Mr. Cary described the book as "an attempt to examine the relation of the artist with the world as it seems to him and to see what he does with it." He examines the nature of intuition and truth in art, the difficulties of translating intuition into production and the character of

originality in art. The book will be published Aug. 6.

Lucius Cornelius Sulla (138-78 B. C.), Roman general and politician, established a dictatorship in 82 B. C. through which he eliminated members of the opposing party. To later generations his name became a symbol of cold, calculating cruelty. He is the subject of a historical novel, "The Sword of Pleasure," by Peter Green, which World will issue Aug. 27. The story will be the first by the young English historical novelist to be published in this country.

"The Patchwork Hero," a novel by Michael Noonan, is planned for November publication by John Day. It is the story of a year in the life of a motherless boy. The youngster lives in a respectable village with his roistering tugboat-captain father and his father's friends, who share their festive and unpredictable hospitality.

Just Published!

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"worthy of a place beside Chaucer"—The Times Literary Supplement

ONCE TO SINAI

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author of *The Man on a Donkey and Son of Dust*

"Once to Sinai is Miss Prescott's account of a very real and very entertaining journey made in 1483-84 by a German Dominican friar, Felix Fabri... he proved himself such a cheerful, inquisitive and gregarious traveler that the journal he kept, in the artful hands of Miss Prescott, forms the basis for a delightful, rich and extremely revealing narrative... No one writing in English today recreates the past with a finer blending of historical scholarship, creative imagination and literary skill than H.F.M. Prescott."—Nash K. Burger, *The New York Times* \$5.00

Macmillan 60 Fifth Avenue, New York 11, N. Y.

An END to VALOR

The Last Days of the Civil War by Philip Van Doren Stern

Bruce Catton: "Perceptive and illuminating."

Orville Prescott: "Every year, several Civil War books are published with fresh material and good writing to catch the imaginations of ordinary readers who can take the Civil War or leave it alone. 'An End to Valor' is one of these excellent books."

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The New Yorker: "... Such a sense of excitement, such a feeling for the significance of set pieces... such command of his enormous cast that he holds our almost breathless attention to the last."

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Maps and photographs Houghton Mifflin Co.

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RANDOM HOUSE

Photo of the author by Richard Waite

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